

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lawrence Villanueva on 10/20/2008.

The application has been amended as follows:

1.1 In Claim 39, line 1, **delete** "a polyester;" and **replace** with --a polyester, wherein the polyester is not derived from a polyoxyalkylene glycol, and the polyester comprises an aryl group, wherein the aryl group is unsubstituted or substituted with one or more groups consisting of alkyl, alkynyl, aryl, halide, nitro, amino, ketone, aldehyde, and alkoxy;--.

1.2 In Claim 39, line 1, **delete** "a wax- modified polymer;" and **replace** with --a wax- modified polymer, wherein the wax-modified polymer comprises a wax and a polymer, wherein the wax is covalently bonded to the polymer;--.

1.3 In Claim 39, line 2, **after** "activated carbon" **add** --,wherein the polyester has a glass transition temperature of greater than -30°C--.

1.4 In Claim 43, line 1, **delete** "a polyester;" and **replace** with --a polyester, wherein the polyester is not derived from a polyoxyalkylene glycol, and the polyester comprises an

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aryl group, wherein the aryl group is unsubstituted or substituted with one or more groups consisting of alkyl, alkynyl, aryl, halide, nitro, amino, ketone, aldehyde, and alkoxy;--.

1.5 In Claim 43, line 2, **delete** "a wax- modified polymer;" and **replace** with --a wax-modified polymer, wherein the wax-modified polymer comprises a wax and a polymer, wherein the wax is covalently bonded to the polymer;--.

1.6 In Claim 43, line 2, **after** "activated carbon" **add** --,wherein the polyester has a glass transition temperature of greater than -30°C--.

1.7 In the Specification, pg. 2, line 13, **before** section entitled "DETAILED DESCRIPTION OF THE INVENTION", **add**

**--BRIEF DESCRIPTION OF THE DRAWINGS**

FIGS. 1-3 show measured concentrations of acetaldehyde, ammonia and pyridine, respectively, at various time intervals in the airspace located above control and treated fiber substrates during exposure to a cigarette in sealed chamber.--

**EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance: the closest prior art known to the Examiner is listed on the attached PTO 892 and 1449 forms. Brown (US Patent 5514302) teaches a cleaning composition which contains a wax-like polymer which is a copolymer of maleic acid and polyethylene. Knowlton (US Patent 5073442) teaches the use of wax emulsions for improving soil and stain resistance of fabrics. None of the prior art, however, teaches the use of a wax modified polymer

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wherein a wax molecule is covalently bonded to another polymer further used in conjunction with a zeolite or activated carbon and a polyester.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jaison P. Thomas whose telephone number is (571) 272-8917. The examiner can normally be reached on Mon-Fri 9:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy P. Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. P. T./  
Examiner, Art Unit 1796

/Lorna M Douyon/  
Primary Examiner, Art Unit 1796